



## **Installation Guide: Radio Frequency (RF) and Microwave Radiation Bed Shielding Canopy**



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## Installation Guidelines

Please read the complete installation guide before installing the canopy. Each canopy is a custom installation and this procedure will vary accordingly. These guidelines are specifically for the most common type of installation, which is drywall construction. Other installations will be different but share the same concepts.

For optimal results, it is recommended to have a complete Electromagnetic Field Assessment conducted by one of our EMF consultants before installing this canopy. It is imperative to install the canopy in a low electric field environment, slightly away from the wall and away from live electrical outlets. The canopy is not externally conductive and cannot be grounded. Avoid the use of electrical or electronic devices inside or around the canopy. For more information contact one of our distributors. <http://www.safelivingtechnologies.ca/Distributors.htm>

### People required for installation

- Two or more people will be required to install this canopy.

### Tools Required

- Step ladder, drill and drill bits, stud finder not in all cases but depends on the ceiling.
- Plumb bob - (string with a weight will work as well) - used to align the dowel position on the ceiling.
- A saw may be required to adjust the length of the dowels.

### Parts Required

- All items can be picked up at your local box store. (Home Depot)



**3 - Hardwood Dowels** - 1 inch to 1.5 inch diameter by 6 to 8 feet in length. Length depends on the size of your canopy.



**6 - Drywall Anchors**



**6 - Screw Eyes**



**Approx. 15 feet of string**



**6 - Screw Hooks**

### Dowel Preparation

- Determine the length of dowels required.
- This can be done by spreading the canopy open and carefully feeding a dowel through the center loop, on the top of the canopy. The dowel should stick out 1 to 2 inches from each side of the canopy loop. See picture below.
- Check the other 2 canopy loops for length as well and cut the dowels to the appropriate length.
- Prepare the ends of the 3 dowels for the **screw eyes**.
- The dowels are made of hard wood therefore require pilot holes to be drilled.
- Drill the appropriate size hole in the center of the end of each dowel (a total of 6 holes)
- Screw the **screw eyes**, completely into the hole on the end of each dowel as shown below. Do not attach the string at this point.
- Repeat the process for all 6 dowel ends.



## Dowel Installation

- We will start by installing the center dowel.
- Feed a prepared dowel carefully through the center loop, on the top of the canopy.
- Place the center dowel in the **exact**, desired position in the center of the bed. Tuck the rest of the canopy underneath the center dowel so it is out of the way. Install the canopy several inches away from the wall.
- We need to transpose the alignment of the dowel on the bed to the ceiling with the use of a plum bob. (See below)
- **Please note that the next step is important.** We do not want extra holes in the ceiling, so be accurate.
- You will need to mark 2 holes on the ceiling, one for each end of the center dowel. Use the plumb bob to mark the position of the holes in the ceiling. Place the plumb bob string on the ceiling and align the weighted end with the *screw eye* of the dowel at the head of the bed. Make sure it is perpendicular to the dowel, “straight up and down”. Then mark the ceiling. Repeat the same process for the *screw eye* in the dowel at the foot of the bed. Drill appropriate size holes in the ceiling for the drywall anchors. Insert the drywall anchors into the holes. These anchors will expand and lock into place when the screw hook is inserted and turned into them. Insert the screw hooks into the drywall anchors for the center position dowel, and screw in the *screw hooks* as shown below:



Plumb Bob



Drywall Anchors



Screw Hook into Drywall Anchors  
- Attach loop of string

- Cut 2 strings 2 to 3 feet long and loop the end, as in the above picture.
- Hook the string on each *screw hook* on the ceiling.
- Lift the center dowel to the approximate desired height. The bottom edge of the canopy should be touching the ground.
- Note: **Do not** permanently tie the dowels at this point because more adjusting will be required once the other dowels are mounted and tied.
- Temporarily tie the string from *screw hooks* in the ceiling to the *screw eyes* in the ends of the dowels. The exact height will need to be adjusted once all of the dowels are hung.
- Next, mount the right dowel.
- Feed a prepared dowel carefully through the right loop, on the top of the canopy.
- Hold up the right dowel to the desired height and position. Allow the top of the canopy to droop 6 to 14 inches between dowels. This distance between dowels will vary depending on the width of your canopy and personal preference. See picture below for desired canopy shape.



- **Again, please note that the next step is important.** We do not want extra holes in the ceiling, so be accurate.
- You will need to mark 2 holes on the ceiling, one for each end of the right dowel. Use the plumb bob to mark the position of the holes in the ceiling. Place the plumb bob on the ceiling and align the weighted end with the *screw eye* of the dowel at the head of the bed. Make sure it is perpendicular to the dowel, “straight up and down”. Then mark the ceiling. Repeat the same process for the *screw eye* in the dowel at the foot of the bed. Drill appropriate size holes in the ceiling for the drywall anchors. Insert the drywall anchors into the holes. Insert the screw hooks into the drywall anchors for the right position dowel and screw in the *screw hooks*.
- Cut 2 strings 2 to 3 feet long and tie a loop in them as in the previous picture.
- Hook the strings on the *screw hooks* in the ceiling.
- Lift the right dowel to the approximate desired height. The bottom edge of the canopy should be touching the ground.
- Note: **Do not** permanently tie the dowels at this point because more adjusting will be required once the left dowel is mounted and tied.
- Temporarily tie the string from the *screw hooks* in the ceiling to the *screw eyes* in the ends of the right dowel. The exact height will need to be adjusted once the left dowel is hung.
- Repeat the right dowel installation process for the left dowel.
- Once all of the dowels are mounted in the desired position in the ceiling, the final height can be set and the strings can be permanently tied.
- Adjust each string so the canopy just touches the ground in all areas.

Enjoy your new Canopy!



## Safety Guidelines & Care for Swiss Shield® Curtain Fabrics

Dear Customer,





We are very pleased that you have decided on one of our Swiss Shield® EMV fabrics, and we are sure you will be entirely satisfied with it.

**Please note:**

Regardless of the quality of Swiss Shield® fabrics, it is still important to follow the complete range of safety guidelines which will guarantee that our product will provide you with optimum performance.

- The fabric, the spatial arrangements (location and quantity), and its proper installation should all be determined by the specialist advisor and/or electrical fitter. <http://www.safelivingtechnologies.ca/Distributors.htm>
- In order to ensure optimum screening performance from the Swiss Shield® fabric, a specialist advisor (e.g. Radio Frequency “RF”, ELF Electromagnetic Field, measuring technician) should assess the living space. Before installation takes place record and analyze the frequencies of the fields involved. Determining the intensity and direction of the emissions is required.
- We do not recommend grounding this fabric. In the event of earthing being applied to the Swiss Shield® fabric (unless indicated otherwise, Swiss Shield® fabrics are surface-insulated), this installation must be carried out by an electrical fitter/specialist electrician, in accordance with the guidelines in force in the countries concerned. With regard to personal safety, if this method is chosen, we recommend that the installation circuit of the screened area be provided with an RCBO (residual current operating device).
- Avoid the use of electronic or electrical devices near or under the fabric.
- Unless indicated otherwise, Swiss Shield® fabric is not fire retardant. Use with caution and at your own risk.
- Unless indicated otherwise, Swiss Shield® fabric is intended exclusively for indoor use in dry areas.
- We undertake no liability for any damage incurred by improper use, care, installation, or lack of protective measures.

### Washing care:

 <p>Machine washable (gentle cycle) with cold water.</p>	 <p>Iron without steam at degree 1.</p>	 <p>No bleaching.</p>	 <p>No chemical dry-cleaning.</p>
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### Drying care:

 <p>Hang Dry</p>	 <p>Do Not Tumble Dry</p>
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